

Z/039/60/021/06/010/031  
E140/E263

AUTHOR: Hošek, J., Engineer

TITLE: The use of Crystal Diodes with Non-Quadratic Characteristic  
for Microwave Measurements ↙

PERIODICAL: Slaboproudý obzor, 1960, Vol 21, Nr 6, p 368

ABSTRACT: The author presents a nomogram for the calculation of  
SWR for standing-wave detectors using diodes with other  
than quadratic characteristics. The exponent of the  
diode characteristic is in the limits 1.5 to 2.8, SWR,  
1 to 4 and attenuation 0.3 to 12 dB. There are 2 figures. (✓)

ASSOCIATION: TESLA Pardubice - Výzkum a vývoj radiotechniky  
(Radio Engineering, Research and Development, TESLA  
Pardubice)

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Z/039/60/021/08/012/032  
E140/E563

AUTHOR: Hošek, Jiří, Engineer

TITLE: Calculation and Addition of Attenuation

PERIODICAL: Slaboproudý obzor, 1960, Vol 21, No 8, pp 497-499

ABSTRACT: Four nomograms are given for the calculation of attenuation in waveguide channels where the standing-wave ratio cannot be measured exactly. There are 5 figures and 3 references, 1 of which is Czech, 1 Soviet and 1 English. ✓B

TESLA  
ASSOCIATION: Pardubice n.p., Vyzkum a vyvoj radiotechniky  
(TESLA Pardubice, Radio Engineering Research and Development)

SUBMITTED: March 31, 1959

Card 1/1



23074

Z/039/60/021/011/002/003  
E192/E382

9,4/00

AUTHOR: Hošek, Jiří, Engineer

TITLE: Measurement of the Attenuation of Coaxial Cables  
at Microwave Frequencies

PERIODICAL: Slaboproudý obzor, 1960, Vol. 21, No. 11,  
pp. 649 - 651

TEXT: Measurement of the attenuation of coaxial cables at microwave frequencies is not the type of measurement that is often encountered in practice and, in those cases where it is necessary, it is advisable to employ a standard microwave measuring equipment based on a rectangular waveguide and a transformer section connected between the waveguide and the cable. During such measurements it is necessary to determine the characteristic quantities required for the graphical determination of the scattering matrix for the transformer section between the waveguide and the cable (Refs. 1, 8). Determination of the scattering matrix permits evaluation of the reflection coefficient between the transformer section and the cable, provided the reflection coefficient in front of the

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Measurement of the Attenuation ....

transformer section is measured. The reflection coefficient should be determined twice. First, a section of the cable having a length of 0.4 - 0.7 m is connected to the transformer section, the cable being open-circuited at the end; the length of the cable depends on its attenuation. The cable is then shortened by about 8-10 cm and the reflection coefficient between the transformer section and the cable is determined on the basis of the measured coefficient at the input to the transformer section. The attenuation of the cut-off section of the cable can then easily be evaluated from the standard formula which is used in the calculation of the attenuation of waveguides. The graphical calculations for these measurements are performed by means of the Smith chart. Use of the Smith chart for determining the necessary parameters of the scattering matrix is explained and the measuring equipment is briefly described. Also, two simple numerical examples are given. The above method is similar to that employed in the measurement of the waveguide attenuation by means of the standing waves (Ref. 11). However, the error in the

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Measurement of the Attenuation ....

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measurement is of the order of  $\pm 8\%$ , due to the fact that the reflection coefficient is determined through the transformer quadripole connected between the waveguide and the coaxial cable. The method is also disadvantageous in that the measured section is open-circuited. On the other hand, it has the advantage that it is possible to measure cable sections of any given characteristic impedance.

There are 5 figures and 11 references: 4 Czech and 7 non-Czech.

ASSOCIATION: TESLA, Parubice,  
VVZ Opotín

SUBMITTED: April 28, 1960

X

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23674  
Z/039/61/022/003/006/006  
E192/E382

6.4300

AUTHOR: Hosek, Jiri

TITLE: Calibration of Variable Microwave Attenuators in  
the X-ray Band

PERIODICAL: Slaboproudý obzor, 1961, Vol. 22, No. 3,  
pp. 170 - 173

TEXT: The method of calibration described is based on a  
thermistor bridge and its extension, which is based on the  
substitution principle and permits calibration up to 60 dB  
with an error of less than 1%. The procedure during the  
calibration is as follows. A variable standard attenuator  
is first measured by means of a thermistor bridge (Ref. 1 -  
(the author, Slaboproudý obzor, 1959, Vol. 20, No. 7,  
pp. 419 - 422)). The attenuator is measured at least twice  
at the same frequency and its calibration curve is taken up  
to 30 dB. However, in the vicinity of 30 dB it is found  
that the error is of the order of 1 dB. Consequently, in  
further measurements it is necessary to use that portion of  
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Calibration of . . . .

the calibration curve where the spread is less than 0.05 dB. In this way, it is possible to obtain a calibration curve up to 15 dB with an error of  $\pm 0.5$  dB. Further calibration is carried out by the substitution method (Ref. 2 - R. Montgomery, Measurement Technique at cm Waves. Russian transl. Moscow, 1949) Now, the attenuator to be calibrated (referred to as A) is calibrated by means of an attenuator, B. The attenuator A is set at 10 dB (this is done by means of the thermistor bridge). A range of 10 dB is then chosen on the attenuator B in such a way that the spread of the measured values is a minimum. This is usually observed between 2-12 dB or between 3-13 dB. Thus, the attenuator B is set at 13 dB and a suitable deflection is observed on the output meter. The setting of the attenuator B is then changed to 3 dB and the deflection of the output meter is adjusted to the previous values by setting the attenuator A. In this way a further attenuation of 10 dB was added to A, so that its total attenuation is 20 dB. This measurement is repeated at least

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Calibration of ....

four times and the arithmetic mean is taken as the accurate value. In general, the spread of the values is less than 0.1 dB. In the same way, it is possible to calibrate the attenuator up to 60 dB in steps of 10 dB. Similarly, it is possible to calibrate attenuator A by means of another attenuator, C. The three attenuators, A, B and C, can thus be calibrated, each being compared with the other two. In the measurements carried out with three attenuators, it was found that in the vicinity of 60 dB the spread did not exceed 0.25 dB. It is seen, therefore, that the error in calibration was less than  $\pm 1\%$  of the measured value. The above method is suitable for frequencies ranging from 8 200 to 12 400 Mc/s. The equipment used in the measurements was the standard waveguide measuring set, furnished with a thermostat and an intermediate frequency amplifier.

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Calibration of . . . .

Z/059/61/022/<sup>23674</sup>003/006/006  
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There are 6 figures, 1 table and 5 references: 2 Czech and 1 non-Czech.

ASSOCIATION: TESLA Pardubice, n.p. VVZ Opočíněk  
(TESLA Pardubice State Factory, VVZ, Opočíněk)

SUBMITTED: August 23, 1960

Card 4/4



BURKERT, M., inz.; FALTUS, M.; HOSEK, Jiri, inz.

Electromagnetic deflecting system for television picture tubes.  
Tech praca 15 no.5:374~376 My '63.



Hosek, J.

Applied Mechanics  
Reviews, V. 7  
Mar. 1954  
Structures

766. Hosek, J., Solution of the effect of an opening in a thin shear wall by the method of increments of shear flows from the opening, *Engng. Rev.*, Prague no. 7, 1-14, Feb. 1951.  
A method whereby the effect of an opening in a statically indeterminate shear wall, such as thin-walled web girders, can be solved by means of solutions of statically indeterminate systems where the shear wall is replaced by a system of bars or by a

method of increments of the shear flows from the opening. The solution assumes that (a) the walls resist shear stresses, (b) the shear walls do not transmit in-plane bending stresses, and (c) the effect of distortion of struts is neglected.

Only the case of a wall of uniform thicknesses of the same material is solved; however, the calculations may be extended to cases of arbitrary wall thicknesses. C. H. Matthews, USA



HOSEK, Josef; GERMOGENOV, A.V., redaktor; SHAPOVALOV, V.I., tekhnicheskii  
redaktor; DORODNITSYN, A.A. [translator]; BOGOSLOVSKIY, M.M.  
[translator]

[High-speed aerodynamics] Aerodinamika bol'shikh skorostei. Perevod  
s cheshskogo A.A.Dorodnitsyna i M.M.Bogoslovskogo. Predisl. A.A.  
Dorodnitsyna. Moskva, Izd-vo inostrannoi lit-ry. 1954. 547 p.  
[Microfilm] (MLRA 7:9)  
(Aerodynamics. Transonic)



43448

S/263/62/000/024/001/002

E194/E455

10091  
AUTHORS: Hošek Josef, Veselý Karel, Vitek Jan

TITLE: A device for measuring liquid flow

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk,  
Izmeritel'naya tekhnika, no.24, 1962, 23, abstract  
32.24.137 P. (Czech. pat. cl. 42e, 23/05, no.97754,  
December 15, 1960)

TEXT: An electrical conductor is located in the liquid flowing from a tube; another conductor is connected to a sliding contact, a galvanometer and battery; the whole forms a resistance-measuring bridge. In the null condition, the length of the second conductor to the place where it is connected to the sliding contact indicates the liquid flow to a certain scale. If the liquid is a poor conductor of electricity, a further wire with contacts is fixed above the current-carrying wire and pressed against it by the weight of liquid, thus making the necessary contact. 2 figures. ✓

[Abstracter's note: Complete translation.]

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39955

S/263/62/001/001/006/009

1004/1204

26.2190

AUTHOR · Hošek, Josef, Makovec, František, Veselý, Karel and Vitek, Jan

PERIODICAL · Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no. 1, 1962, 47. abstract  
32.1.298 P. Elektrický snímač mechanických veličin. Czech patent, class 42e, 31/03, no  
95034, April 15, 1960

TEXT · A transducer based on the measurement of the Hall constant is proposed. It consists of a magnetic circuit and a probe entering the airgap of this circuit. The probe is made of a conductor or semiconductor with a large Hall coefficient. A transducer for measuring the liquid level in vessels is obtained when a magnetic core fixed to a float and forming an element of the magnetic circuit moves and thus affects the magnetic field and the voltage across the probe. For measurement of pressure the probe is connected with a membrane that deforms under pressure and thereby causes a displacement of the probe which at its turn induces a variation in the Hall voltage.

[Abstracter's note: Complete translation.]

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X



Z/040/61/000/007/001/001  
D006/D102

AUTHOR: Hošek, Josef, Doctor, Engineer  
TITLE: The sonic boom  
PERIODICAL: Letecký obzor, no. 7, 1961, 213-215

TEXT: The article describes the generally known physical laws explaining the cause and nature of the sonic boom and covers the following topics: The effect of the atmosphere-temperature gradient on the shape of the shock wave; the influence of the angle of flight-path inclination and meteorological conditions on the sonic-boom intensity; an explanation of the meaning of the critical Mach number. Sonic boom originates only at supersonic aircraft speeds. The shock waves of a supersonic aircraft jeopardize people and light structures on the ground and, therefore, their intensity on the ground must be reduced to a minimum. This can be accomplished by increasing the flight altitude since the intensity of the sonic boom reaching the ground decreases sharply with increasing altitude of the aircraft. Due to the effect of the atmosphere-temperature gradient,

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D006/D102

The sonic boom

the shock wave bends forward and its energy dissipates more readily into the atmosphere. Sonic-boom intensity increases during descending flight and decreases during climbing. Consequently, supersonic aircraft flying over populated areas should climb and descend below the critical Mach number. There are 5 figures, 1 table, 2 Soviet-bloc and 2 non-Soviet-bloc references. The two references to English language publications read as follows: L. J. Lina, D. J. Maglieri, Ground measurements of airplane shock-wave noise at Mach numbers to 2.0 and at altitudes to 60,000 feet, NASA TECHNICAL NOTE D-235, March 1960; D. W. Patterson, Sonic boom-limitations on supersonic aircraft operations, Aero/Space Engineering, July 1960.

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Z/040/61/000/009/002/002  
D005/D102

AUTHOR: Hošek, Josef, Doctor, Engineer  
TITLE: What will be the development of air transportation  
until 2000  
PERIODICAL: Letecký obzor, no. 9, 1961, 302-305

TEXT: This is the first part of a solicited contribution to a survey of expert opinions concerning the trends along which the development of air transportation until 2000 is likely to proceed. In this part the author briefly reviews the development of aviation from the first flight of A. F. Mozhaysky to the space flight of Yuriy Alexeyevich Gagarin, and concludes that the development of aviation to-date has been characterized by a steady increase of speed, altitude and range. However, as the speed of conventional aircraft is raised the take-off and landing speeds also increase demanding ever longer and more expensive runways. Therefore, future development will proceed towards high-speed VTOL aircraft. The current approaches towards achieving VTOL (rotors, tilting wings,

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What will be the ...

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D005/D102

tilting propeller or jet engines, jet stream deflection) are only transitional and will be superseded by lifting engines in the course of natural development. From among the existing engine types it is only the bypass engine which holds some promise since it may eventually reach a thrust-to-weight ratio of 15 and a specific fuel consumption as low as 0.2 kg/kg. To achieve optimum economy, however, special light-weight lifting engines will be developed. These, in turn, will be followed by the development of wingless aircraft as they feature optimum aerodynamic, thermodynamic and mechanical properties. The lift for these aircraft will be produced by a battery of light-weight lifting engines suitably arranged around the aircraft's center of gravity. For forward flight, several special dual-purpose thrust-lift engines will take over. The shape of these aircraft will be such as to produce optimum performance in that speed range (subsonic, supersonic or hypersonic) in which a particular type will be used. It will resemble the fuselage of a "flying fortress" or a "flying boxcar" or the conventional aircraft age. Stabilization and control of the aircraft will be effected by gas jets from suitably positioned nozzles. There are 8 figures.

Card 2/2



HOSEK, Josef, dr., inz. (Praha)

Importance of space flights for the development of science and  
technology. Tech praca 15 no.3:207-212 Mr '63.



PHASE I BOOK EXPLOITATION

SOV/6549

Hošek, Josef, Doctor of Engineering

Dnešní letectví; nové vývojové směry v letectví (Modern Aviation;  
New Development Trends in Aviation) Prague, Práce, 1962. 170 p.  
(Series: Technický výběr do kapsy, sv. 43). 15,000 copies printed.

Resp. Ed.: Josef Strouhal.

PURPOSE: The book is intended for readers with a basic technical education.

COVERAGE: The present state of aviation and prospective developments in the theory and design of aircraft are discussed. The book explains the basic principles of overcoming gravity in the atmosphere and beyond it and the principles of VTOL aircraft. High-speed aerodynamics (shock waves, aerodynamic heating) is briefly discussed. Modern aircraft engines and rockets are described, their principles explained, and prospective development outlined. No personalities are mentioned. There are 34 references: 18 Czech, 7 English, 5 German, and 4 Soviet.

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CZECHOSLOVAKIA

Psychology

HOSEK, K.; PASTUSZEK, W.; PETRZELA, K.; Factory Center for National Health, Iron Works, Trinec. [Orig. version not given].  
 "To the Structure of Working Groups."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 212-213.

Abstract: Working group analysis was performed according to the method of Leary. 46 workers from 8 groups were examined. All members in each group rated each other by the Leary test method. In half of the groups, all of whom were rated as efficient, the averages and individual ratings agreed well; in the other half, that is groups that were rated inefficient, the averages and individual ratings disagreed. Means of using the Leary test to predict the efficiency of a given group are discussed. No references. Submitted at the 4th Conf. of Exper. and Clin. Study of Higher Nervous Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

1/1

HOSEK, K.

On the care of psychoses in the psychiatric department.  
 Cesk. psychiat. 60 no.3:202-205 Je'64

1. Psychiatricke oddeleni nemocnice s poliklinikou, Trinec.



ROSEK, K.

Psychiatric morbidity in a heavy industry plant. Acta nerv. sup.  
(Praha) 6 no.4:410 '64.

1. Psychiatrické oddelení polikliniky ZUNZ Trineckých železaren,  
Trinec.



L 43005-66

ACC NR: AP6031819

SOURCE CODE: CZ/0083/65/000/005/0344/0349

AUTHOR: Hosek, K.---Goshek, K. (Trinec)

ORG: Psychiatric Department, Hospital, OUNZ, Trinec (Psychiatricke oddeleni nemocnice OUNZ); ZUNZTZ, Trinec

TITLE: psychiatric morbidity<sup>22</sup> in iron works

SOURCE: Ceskoslovenska psychiatrie, no. 5, 1965, 344-349

TOPIC TAGS: industrial plant, industrial medicine, psychoneurotic disorder, psychiatry

ABSTRACT: Data on 565 patients from the psychiatric department of the plant clinic at Trinec Iron Works 1961-1963: sex, ages, diagnosis compared with non-occupational psychiatric patients in the same area revealed no major or apparently significant differences between the two groups. Orig. art. has: 1 figure and 2 tables. [Based on author's Eng. abst.] [JPRS: 33,500]

SUB.CODE: 06 / SUBM DATE: none

Card 1/1 MLP

09/9 0567



*HOSEK, KAREL*

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Application - Explosives, Pyrotechnic  
Compositions. Chemical Protection Means.

H-21

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 9180

Author : Pelant Vojtech, Hosek Karel

Inst : -

Title : Czechoslovak Industrial Explosives.

Orig Pub : Rudy, 1957, No 6, 194-200

Abstract : A classification of industrial explosives is given and  
their properties are described. A survey is made of indus-  
trial nitroglycerin, ammonium nitrate and trotyl explosi-  
ves, used in Czechoslovakia. Tables are included in which  
their properties and forms of packaging are listed.  
Ways of further development of the industry of explosives  
are set forth.

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APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618210017-5

KONVICKA, Oldrich, inz. dr. CSc.; HOSEK, Karel, inz.

Some present problems of genetics and breeding in Czechoslovakia.  
Vest ust zemedel 11 no.6:243-248 '64.

1. Radiobiological Department of the Institute of Experimental  
Botany, Czechoslovak Academy of Sciences, Prague.



NEUWIRT, K.; HOSEK, Milan

A nephrogram. Rozhl. chir. 40 no.6:411-419 Je '61.

1. Urologická klinika v Brně, přednosta, prlf. dr. K. Neuwirt.

(KIDNEIS radiog)



HOSEK, M.

CZECHOSLOVAKIA

No academic degree indicated

Urological Clinic, J.E. Purkyne University (urologická klinika JEP University)  
Brno.

Prague, Vnitřní Lekarství, No 11, Nov 62, pp 1208-1215

"Contemporary Chemotherapy and Antibiotics in Urology"



HOSEK, Milos

Occurrence of copper ore mineralization in the Krkonose piedmont  
magmatites. Cas min geol 9 no.3:261-266 '64

1. Geologicky pruzkum National Enterprise, Prague.



CZECHOSLOVAKIA

HOSEK, M.

Geological Department (Geologický průzkum), Prague

Prague, Casopis pro mineralogii a geologii, No 3, 1964, pp  
261-265

"The Occurrence of Cu Mineralization in Magmatites of the  
Krkonoše Piedmont."



HOSEK, V.

"Preparing for harvest with our own machinery." p. 97.

(sk). "Successful day of a new technique in harvesting and preserving forage at an experimental farm of the School of Agricultural Engineering in Trebic." p. 98.

MECHANISACE ZEMEDELSTVI. (MINISTERSTVO ZEMEDELSTVI A LESNIMO HOSPODARSTVI).  
Praha, Czechoslovakia, Vol. 9, no. 5, May 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959.  
Uncl.



L 41122 46  
ACC NR: AP6030209

SOURCE CODE: 01/00, 2/56/001/003/0131/0141

AUTHOR: Hosek, Zdenek--Khoshek, Z. (Engineer)

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

TITLE: Transistorized video amplifiers

SOURCE: Slaboproudý obzor, v. 27, no. 3, 1966, 134-142

TOPIC TAGS: video amplifier, transistorized amplifier, electronic feedback, transistor

ABSTRACT: The article deals with parallel and series connection as well as low-frequency correction. Relations are given for an amplifier stage with series and parallel feedback. The equivalent circuits of the transistors for the respective cases were selected so as to make the results clear. Orig. art. has: 16 figures, 77 formulas and 2 tables. [Based on author's Eng. abst.] [JPRS: 36,644]

SUB CODE: 09 / SUBM DATE: 11Aug65 / ORIG REF: 002 / SOV REF: 003 .  
OTH REF: 005

Card 1/1 hs

UDC: 621.396.645.3.018.424

07/1 1533



HOSEMAN, D.

HOSEMAN, D. Shafting through water-carrying strata, especially by means  
of the freezing method. p. 337

No. 4, 1956  
RUDARSKO-METALURSKI ZBORNIK  
TECHNOLOGY  
Ljubljana

So: East European Accession, Vol. 6, no. 3, March 1957



HOSER, Jan, inz.

Sociological aspects of the fluctuating character of the working  
crews in the construction industry. Inst org i mechan bud prace  
12 no.44:67-81 '62.



HOSER, P.

Pollination of fruit trees and phenological observations, p. 13. ( GAZETA OBSERVATORA, P.I.H.M., Warszawa, Vol. 8, no. 2, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 4, Jan. 1955, Uncl.



HOOD, R.

Losses in orchards caused by spring frosts. p. 9.  
GASSETT OBSERVATIONS, Warszawa, Vol. 3, no. 3, Mar. 1953.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.



HOZER, S.

The results of the instruction on how to feed bacon hogs in Poznan Voivodeship. p. 17

GOSPODARKA MIESNA (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland.  
Vol. 11, no. 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept 1959  
Uncl.



HOSER, Stefan

Influence of beta-indolylbutyric acid and the time of cutting on the rooting of cuttings of certain species and varieties of coniferous trees. Acta agrobot 15:139-144 '64.

1. Institute of Ornamental Plants, Central College of Agriculture, Warsaw.



VINAR, O.; VINAROVA, M.; GROSS, J.; HOSIK, L.; DLABAC, A.; TRCKA, V.

Possibility of the utilization of cyano-acetic acid hydrazide  
in psychiatry. Cesk. fysiол. 9 no.1:96-97 Ja 60.

1. Psychiatricka katedra ustavu pro doskolovani lekaru, Praha,  
Psychiatricka lecebna, Praha 8 Psychiatricka klinika lek. fak. MU.  
Brno Vyskumny ustav pro farmacii a biochemii, Praha.  
(ISONIAZID rel. cpds.)  
(DEPRESSION ther.)



TESARČÍK, J., Vet. Diploma; HOŠKA, J., Engineer  
Czechoslovakia

Brno, Veterinářství, No 2, 1963, pp 63-64

"The Branchiomycosis in Coregonus Maraena."

2



W. SKOV, S. I.

27104

Stakhanovskiy plan povysheniya proizvodited'nosti truda na shakhte ("Chernaya Gora". Kuzbass). Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1949, No 8, S.8-9.

SO: LETOPIS' No. 34



HOSKOVA, Anna

Glutathione metabolism in the erythrocytes in newborn infants. Cesk.  
pediat. 16 no.5:438-441 My '61.

1. I detska klinika, prednosta prof. dr. Z. Brunecky.

(GLUTATHIONE blood)  
(ERYTHROCYTES chem)  
(INFANT NEWBORN blood)







HOSKOVA, A.

Relation of erythrocyte glutathione metabolism to hyper-  
bilirubinemia in newborn infants. Cesk. pediat. 19 no.12:  
1057-1068 '64

Glucose-6-phosphate dehydroge ase defect and hyperbilirubinemia  
in newborn infants. Ibid.:1103-1106

1. I detska klinika lekarske fakulty University J.E. Purkyne  
v Brne (prednosta prof. dr. Z.Brunecky).



HOSKOVA, A.; HLAVON, J.

Subcapsular hematoma of the liver in newborn infants. Cesk. pediat.  
17 no.3:254-257 Mr '62.

1. I detska klinika University J. Ev. Purkyne v Brne, prednosta prof.  
dr. Zd. Brunecky.

(LIVER wds & inj) (HEMATOMA in inf & child)  
(BIRTH INJURY)



HOSKOVA, Anna

Appearance of glycemia and measurement of glutathione in erythrocytes of newborn infants. Cesk. pediat. 17 no.4:321-323 Ap '62.

1. I detska klinika lekárske fakulty University J. Ev. Purkyně v Brne, prednosta prof. MUDr. Z. Brunecky.

(BLOOD SUGAR in inf & child) (GLUTATHIONE blood)  
(ERYTHROCYTES metab) (INFANT NEWBORN blood)



HOSKOVA, A.; HLAVON, J.

On the problem of transitory biliary obstruction in young infants.  
Cesk. pediat. 17 no.12:1071-1075 D '62.

1. I detska klinika lekarske fakulty University J. Ev. Purkyne v Brne,  
prednosta prof. dr. Z. Brunecky.  
(HEPATITIS) (INFANT NEWBORN DISEASES) (BILIARY TRACT)



HOSKOVA, A.

Acute thrombosis of the abdominal veins in neonates. Cesk. pediat.  
18 no.1:69-70 Ja '63.

1. I. detska klinika lekarske fakulty UJEP v Brne, prednosta prof.  
dr. Z. Brunecky.

(VENAE CAVAE)	(RENAL VEINS)	(PORTAL VEIN)
(MESENTERIC VASCULAR OCCLUSION)		(THROMBOSIS)



CECH,M.; HOSKOVA,A.; NOLL,A.

Transminase activity in healthy infants and its relation to  
neonatal jaundice. Cesk. pediat. 20 no.1:23-29 Ja '65

1. I. detska klinika lekarske fakulty University J.E. Purkyne  
v Brne (prednosta - prof. dr. Z. Brunecky, CSc.)



HOSKOVA, A.; CECI, M.; NOLL, A.

About the possibility of glucose-6 phosphate dehydrogenase deficiency in our country. Cas. lek. cesk. 104 no.10: 262-265 12 Mr'65.

1. I. detská klinika lékařské fakulty Univerzity J.E. Purkyně v Brně (prednosta: prof. dr. Z. Brunecky, CSc.



HOSKOVA, Anna

Experience with iron mobilization by EDTacal. Cesk. pediat. 16 no.4:  
343-345 Ap '61.

1. I detska klinika Brno, prednosta doc. dr. Z. Brunecky.

(EDATHAMIL ther) (HEMOSIDEROSIS ther)



HOSKOVA, D.

First aid in accidents caused by electric current. P. 49.

ELEKTROTECHNIK Vol. 11, no. 2, Feb. 1956

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956



HOSKOVEC, J.; STIKAR, J.

Crossroads and transportation safety. Siln doprava 11 no.5:  
24 My '63.



CZECHOSLOVAKIA

HOSKOVA, J., KOLDOVSKY, O., HERINGOVA, A., JIRSOVA, V., CHYTIL, F;  
Physiological Institute, Czechoslovak Academy of Sciences,  
Institute of Care for Mother and Child, and Microbiological  
Institute, Czechoslovak Academy of Sciences (Fysiologicky Ustav  
CSAV, Ustav pro Peci o Matku a Dite a Microbiologicky Ustav CSAV)  
Prague.

"Activity of Beta-Galactosidase in Jejunum and Ileum of Guinea  
Pigs, Mice and Rabbits in Postnatal Development."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 90

Abstract: The optimum activity in mice is at pH 3.5, guinea pigs  
and rabbits have two optimums, one at pH 3.5, the other at 5.5.  
Changes in the activity due to the age of the animals are des-  
cribed. 1 Western, 2 Czech references. Submitted at "16 Days  
of Physiology" at Kosice, 30 Sep 65.

1/1

- 164 -

The task of our public health in the field of population. Plzen.  
lek. sborn. 24:135-141 '64.

Katedra marxismu-leninismu lebarske fakulty University Karlovy  
v Plzni (prednosta: doc. E. Jukl, CSc.).



JIRASKOVA, M.; BURES, H.; ~~HOSKOVA, M.~~; KOTRBA, V.; THOROVA, J.; MRKLAS, L.

Effect of Czechoslovakian-made toothpaste containing sodium fluoride. Cesk. stomat. 65 no.6:433-436 N '65.

1. Vyzkumny ustav stomatologicky v Praze (reditel prof. dr. J. Kostlan).



HOSKOVEC, J.

Psychotherapeutic aspects of the Zen system. Cesk. psychiat.  
59 no.6:406-411 D'63.

1. Psychologický ústav KU v Praze.

✕



SVORAD, D.; HOSKOVEC, J.

Conditions for provoking experimental neurosis. Activ. nerv.  
sup. 6 no. 1:36 '64

\*



HORVAI, I.; HOSKOVEC, J.

Experimental study on some processes of visual perception influenced by hypnotical suggestion. Activ. nerv. sup. 6 no.1: 72-73 '64.

\*



HOSKOVEC, J.; STIKAR, J.

"Effect of the length of time of driving on the drivers of motor vehicles."  
p. 315.

SVET MOTORU. (Svaz pro spolupraci s armadou). Praha, Czechoslovakia,  
Vol. 13, No. 10, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 6, No. 6,  
August 1959.  
Uncla.



DIAMANT, J.; DUFEK, J.; HOSKOVEC, J.; KRISTOF, M.; PEKAREK, V.; ROTH, B.;  
VELEK, M.; Technicka spoluprace: Kubickova, d. s. M.

Electroencephalographic study of hypnosis. Cesk. psychiat. 55  
no. 5: 285-295 0 '59.

1. Psychiatricka klinika a neurologicka klinika KU v Praze,  
Ustredni zdravotni ustav MV; psychiatricka lecebna v Praze 5.  
(ELECTROENCEPHALOGRAPHY)  
(HYPNOSIS physiol.)



SVORAD, D.; HOSKOVAC, J.

Problem of the mechanism of experimental catatonia. Cesk.fysiol.  
9 no.3:266-267 My '60.

1. Fysiologicky ustav CSAV, Praha, Ustav experimentalni mediciny  
SAV, Bratislava.  
(CATATONIA exper)



KRIVOHNAVY, J.;HOSKOVEC, J.

Dimensional distribution of the threshold visual angles. Czech.  
ofth. 16 no.3/4:202-205 My '60  
(VISION TESTS)



SVORAD, D.; HOSKOVEC, J. ....

Problem of experimental model of so-called highway hypnosis. Cesk.  
fysiol. 9 no.2:182-183 Mr '60.

1. Ustav experimentalni mediciny SAV, Bratislava. Fysiologicky  
ustav CSAV, Praha.

(HYPNOSIS)

(AUTOMOBILES)



SVORAD, D.; HOSKOVEC, J.

Mechanisms of animal and human hypnosis. Cesk.fysiol. 9 no.2:  
183-184 Mr '60.

1. Ustav experimentalni mediciny SAV, Bratislava.  
(HYPNOSIS)



HOSKOVEC, J.; DVORAD, D.

Effect of intermitten changes of the excitation fields on the higher nervous activity. Cesk.fysiol. 9 no.3:234-235 My '60.

1. Fysiologicky ustav CSAV, Praha, Ustav experimentalni mediciny SAV, Bratislava.

(REFLEX CONDITIONED)



HOSKOVEC, J.

Kretschmer's active hypnotic exercise. Cesk. psychiat. 58 no.5:333-335  
O '62.

1. Psychologicky ustav University Karlovy v Praze.  
(HYPNOSIS) (MENTAL DISORDERS)



CZECHOSLOVAKIA

HOSKOVEC, J.

Psychological InsituteUK (Psychologicky ustav UK), Prague  
Prague, Ceskoslovenska stomatologie, No 3, 1963, pp 197-200

"Psychological Aspects of Using Hypnosis and Suggestion  
in Stomatology."



CZECHOSLOVAKIA

J. HOSKOVEC and I. HORVAT, Psychiatry Clinic of Faculty of General Medicine of Charles University (Psychiatrická klinika Fakulty všeobecného lékařství KU [Karlová University],) Head (prednost) Prof Dr V. VONDRAČEK, DrSc, Prague.

"Research on Speech in Hypnotic Age Regression."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 68; pp 13-21.

Abstract [English summary modified]: Enunciation of 16 words was compared in children aged 0.5, 1 and 2 years; in adults instructed to pronounce these words as children of these ages; and in 6 adults during hypnotic regression to said ages. Authors conclude that there is no true regression; hypnotized adults seem to overestimate the ability of the children to enunciate the words tested. Four tables, 20 Western, 7 Soviet and 6 Czech references.

1/1

HOSKOVEC, J.; KNOBLOCH, F.; RIGAN, P.; Psychological Institute at Charles University [Psychologický Ústav KU], Prague; Psychiatric Clinic of the Faculty of General Medicine at the Charles University [Psychiatrická Klinika Fakulty Všeobecného Lékařství KU], Prague.

"Leary's Method of Interpersonal Personality Diagnosis ( Attempt to Test the Concept Validity in a Group of Neurotic Patients.)."

Prague, Československá Psychiatrie, Vol 59, No 5, 1963, pp 304-310

Abstract: Leary's method was successfully applied to Czech language and environment. Restandardisation and empirical validation would be valuable. It seems that theoretically it would be more correct to work out a new method of interpersonal diagnosis making full use of Leary's stimulating system as well as of other factors. The model would then be less impressive but would be closer to the multidimensional socio-psychological reality. 3 Figures, 2 Tables, 3 Western references.

1/1



LANC, O., inz.; HOSKOVEC, I., dr.

Engineering psychology and the design of automobiles. Automobil  
Cz 9 no.3:2-4 Mr '65.



HOSKO EC, Jiri

CO<sub>2</sub> welding in the Zavody V.I.Lenina National Enterprise, Plzen.  
Zvaranie 14 no.2:38-43 F '65.

1. Zavody V.I.Lenina National Enterprise, Plzen.



116510181, 2

15581\* Welding of Aluminum and Copper by Low Temperature Heat and Pressure. Svarovant hitáldó és hevídőlés az pelotepia. (Czech.) Jiří Hložek and Václav Pícha. Zdravotn. v. 4, no. 5, May 1955, pp. 12-16.

Transition pieces of the metals are carefully heated to a little below the melting point of Al and finely pressed together. Diagrams, photographs, table.

146

of 17



10323\* Aluminum and Copper Cold Pressure Butt-Welding  
Svařování hliníku a mědi na tlakem za studena.  
(Czech.) Jiří Haskovec and Václav Pilous. Zdravotní, v. 4, no.  
12, Dec. 1958, p. 637-640.

Theories of mechanism of union in cold pressure welding. Role  
of deformation and cleaning of surfaces. Welding Al with Al,  
Al with Cu, Cu with Fe, and other combinations. Strength,  
fatigue, hardness, and corrosion tests. Electrical resistance of  
weld. Photographs, diagrams, tables, graphs, micrographs. 6 ref.

metal  
PAB 1958

2



5

15365\* Cold Pressure Welding of Aluminum and Copper.  
Svatovářnická a metalizace za studena. (Czech.) V.  
Pihus and J. Horský. Strojnictví, v. 5, no. 3, Mar. 1965,  
p. 204-212.

Factors controlling welding results; design of welding stamps;  
methods of cleaning parts; pressure, temperature and speed of  
welding; previous heat treatment; mechanical tests of welded  
joints; corrosion and metallographic tests; theory. Diagrams,  
graphs, tables, micrographs, photographs. 4 ref.

27 ①



HOSKOVEC, J.; STIKAR, J.

Evaluation of applicants for driving permits from the psychiatric viewpoint. Cesk.psychiat.56 no.5:341-342 0'60.

(AUTOMOBILES)



HORVAI, I.; HOSKOVEC, J.

Contribution to the problem of so-called hypnotic age regression.  
Activ. nerv. sup. 4 no.2:161-162 '62.

1. Psychiatricka klinika fakulty vseobecneho lekarstvi Karlovy uni-  
versity v Praze.

(HYPNOSIS)



HOSKOWEC, Jiri

Preparation of the 1:1 scale cutting plans for oxygen  
cutting machines. with photoelectric control. Zvarania  
13 no.12:359-362 D '64.

1. Zavody V.I.Lenina National Enterprise, Plzen



ca HOSKINA, B.

9

Testing of zinc coating of wires. B. Hoskna. *Elektrotech. Obzor*, 12, 213-51 (1948).—The Preece and salt-spray tests have disadvantages. Removal of the Zn layer chemically and weighing the Zn so obtained is a method that is being used. This led to the development of the H test, in which the developed H is measured and from this the Zn quantity is calculated. A soln. of 40 g.  $H_2SO_4$  per l. water and a light gasoline, alc-ether, or some similar soln. is used for grease removal. The app. enables detn. of the thickness and the quality of the Zn layer. If the layer thickness only is of interest it is merely necessary to measure the total quantity of the developed H in the test

tube after the bubble generation on the wire surface has stopped completely. If it is desired to test the quality of the Zn layer as well, readings of the developed H have to be taken every min. till no more than 0.1-0.2 cu. cm. of H is generated per min. The curve obtained gives a clear indication of the quality of the Zn layer and repetitive tests give nearly the same results (curves are plotted). It is also possible to distinguish between galvanically coated wires and those which are hot-coated, because the characteristic curves differ greatly for the 2 types of coating. Generally the quality of the coating is the better the longer the relative time for soln. of  $\frac{1}{2}$  of the Zn coating compared to the soln. time of the whole Zn layer. The disadvantage of this test arrangement is that a new soln. of the same concn. is required for each test; also the test process is very slow. These disadvantages are eliminated

in the testing app. of Keller and Boháček, which is briefly described. HCl is used, with an addn. of 10 cc.  $SnCl_4$  as a protective medium. The development of H starts immediately after the sample is dropped into the test tube and is terminated in 1-3 min., depending on the concn. of the soln. The soln. can be used several times, and when it is said, with Zn fresh soln. is filled into the test tube. Tables are compiled enabling quick calcn. of the wt. of the Zn layer per sq. m. for various wire diams. and H quantities. Alignment charts are also available for quick calcn. of the wt. of the Zn layer. Very accurate results are obtained with this method and comparison with results obtained by weighing showed a difference of only 1.15%. While the quantity of Zn in the coating is accurately detd. by this method, the uniformity of the coating is not. It is contemplated to include this method in the Czech standard specification BSC 48x, and H recommends the H test for straight wire, and random tests for wires taken from wire ropes, for which random submersion tests should also be made.



124007 Zinc Coating of Wire and the Process  
Pozinkování drátu a tažení pozinko-  
vaneho drátu. Bedřich Hošna. Hlasek v. 6, no. 3, Mar. 1958  
1-76 50

Description and comparison of methods of Zn coating, includ-  
ing galvanizing, the "Craps" method, and galvanizing stages.  
Also discusses strength properties of wires Zn-  
coated by different methods



HILA, Emil, inz.; HOSNA, Bedrich

"Steel cables" by [Mgr. inz.] Jerzy Kowalczyk, [dr. inz.]  
Zygmunt Steininger. Reviewed by Emil Hila and Bedrich  
Hosna. Hut listy 19 no. 4:301 4p '64.



HOSNA, B.

HOSNA, B. Tasks in wire-galvanizing shops, p. 345

Vol. 6, No. 11, Nov. 1956

HUTNIK

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol, 6, No. 3, March 1957



HOSNEDL, Stanislav, inz.

Complex struggle against potato beetle. Agrochem 2 no.3:63-65 '62.

1. Stanice Ustředního kontrolního a zkusebního ústavu zemědělského,  
Plzeň.



HOSNEDL VACLAV

CZECHOSLOVAKIA / Farm Animals. Swine

Q-4

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12120

Author : Hosnedl Vaclav

Inst :

Title : The Breeding of Swine in Bulgaria and Other Countries  
(Razvedeniye sviney v Bolgarii i drugikh stranakh)

Orig Pub: Nas chov, 1957, No 9, 235-239

Abstract: No abstract.

Card 1/1

30



HOSOWICZ, Jan, mgr ins.

The Nitrogen Works in Pulawy. Chemik 15 no.7/8:229-239 J1-Ag  
'62.

1. Prosynchem, Gliwice.



1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
<p><b>C.A.</b> <b>HOSKES, B.</b></p> <p>Extract formation in the manufacture of alcohol from potatoes. Bohumil Holacek. <i>Shornik Ceskoslov. Akad. Zemelshik</i> 11, 277-84 (in German and Russian 194-5) (1938).--Various factors influencing the amt. of ext. from the starch in the manuf. of alc. were investigated. The greater the starch content of the potato, the more ext. was obtained. J. Kucera</p>																			
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>1ST AND 2ND ORDERS</p>										<p>3RD AND 4TH ORDERS</p>									



1ST AND 2ND DEGREE										3RD AND 4TH DEGREE									
PROCESSING AND REQUESTED MODE																			
BC HOSAPES, B.										B-III-2									
<p>Results of methods of control of potato starch, manufacture in Czechoslovakia. J. Hoban and S. M. B. Brown (S. B. Brown, 1957, 60, 217, 220). Methods of analytical control of the process, are indicated and compared, and desirable and actual attainments discussed. I. A. P.</p>																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION										REVIEWED									
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"Results of experiments in production of fermented food.", p. 215,  
(SBORNIK, Vol. 24, #3/4, Oct. 1951, Czechoslovakia)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of  
Congress, August 1953, Uncl.



HOSPES, D

Czechoslovakia/Chemical Technology. Chemical Products and Their Application --  
Water treatment. Sewage water, I-11

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5423

Author: Hospes, B., Dudas, F.

Institution: None

Title: Results of Recovery of Dry Substances Contained in Sewage Water of  
Starch Production

Original

Publication: Listy cukrovarn., 1955, 71, No 7, 170-175

Abstract: Losses of soluble and insoluble dry substances during the processing  
of potatoes for starch production, are reported. Described are the  
results of laboratory and semi-production scale experiments conducted  
at plants in Brno and Prague, which have made it possible to decrease  
the content of dry substances in sewage water by 88-95%.

Card 1/1



HOSPES, BOH.

Navody k laboratornim cvicenim ze skladovani a zakladu zemedeske technologie.  
(Vyd. 1.) Praha, Statni pedagogicke nakl., 1956. 117 p. (Ucební texty vysokých  
školy) (Manual for laboratory tests in the field of farm produce storage and  
fundamental agricultural technology; a university textbook. 1st ed.) DA Not in DLC

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957



Hospes B.

CZECHOSLOVAKIA / Farm Animals. General Problems

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21433

Author : Hospes B., Dudas Fr.

Inst :

Title : The Results of an Experiment in Preparing Yeast-Treated Feed for Cattle (Rezultaty opyta s podgotovkoy drozhzhevannogo korma)

Orig Pub: Sbor. Vysoke skoly zemed. a Lesn. fak. Brne, 1956, A, No 4, 311-327

Abstract: An average daily yield of 9 cows in the control period (17 January to 10 February) was 9.98 l. of milk with 0.34 kg. butterfat content per head. In the experimental period (19 February to 9 April), the same cows yielded 10.22 l. of milk with 0.39 kg. butterfat, and in the final period (18 April to 12 May), 5.91 l. of milk with 0.24 kg. butterfat. The

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CZECHOSLOVAKIA / Farm Animals. General Problems

Q

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618210017-5"

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21433

Abstract: following amounts of feed stuff were needed per one l. of milk with 3.5% of butterfat content (according to the periods): digestible protein - 0.05, 0.0496 and 0.0653 kg.; starch units - 0.25, 0.203 and 0.255 kg. During the experimental period, 12 l. of saccharine mass prepared from yeast-treated steamed potatoes (0.04 kg. of yeast for 12 l. of crushed potatoes) was included in the daily ration of a cow. From the calculation quoted, the profitability of the experiment is apparent.

Card 2/2



HOSZPES, B.

HOSZPES, B. The utilization of liquids from the production of potato starch.  
p. 441. Vol. 10 no. 11, Nov. 1956  
PRZEMYSŁ SPOŻYWCZY, Warszawa Poland

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957



CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Ap- H-5  
plication. Water Treatment. Sewage

Abs Jour : Ref Zhur - Khim., No 24, 1958, No 32111

Author : Duras F., Hospes B.

Inst : -

Title : Social and Public Importance and the Results of Laboratory  
and Pilot Plant Experiments of Purification of Waters  
Effluent from the Starch Manufacture

Orig Pub : Voda, 1956, 35, No 8, 246-250

Abstract : No abstract

Card : 1/1



HODGES, B.

"The food industry, an adjuster of the nitrogen content in the remnants of raw materials in industrial plants used as feeding stuffs."

SBORNIK. RADA ZEMEDELSKA EKONOMIKA. Praha, Czechoslovakia, Vol. 32, No. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.



ACCESSION NR: APSC12117

CZ/0038/65/000/002/0062/0063

AUTHOR: Hoespes, Miroslav

TITLE: Experimental studies of the relation between the current of ionization chamber and the radiation intensity frequency

SOURCE: Jaderna energie, no. 2, 1965, 62-63

TOPIC TAGS: ionization, ion chamber, radioactivity

ABSTRACT: The experimental verification of the amplitude dependence of the ionization current on the modulation frequency, which was predicted is described. This dependence can be a source of error with measuring equipment with which modulation of the radiation is used. At least qualitative agreement of the experimental results with the theoretical calculations is shown. The calculation of the correction was not carried out because the required parameters were unknown. Curves are given showing the change of ionization current with chambers filled with nitrogen and with air. With nitrogen the current decreases up to a frequency of about 400 cycles per minute and then is nearly constant. With air-filling the curve shows definite maxima and minima. Orig. art. has: 1 graph, 2 figures.

Card 1/2



U 5-307-65

ACCESSION NR: AP5018393

ASSOCIATION: Ústav pro výzkum, výrobu a využití radioizotopu, Prague  
(Institute for Research, Production and Application of Radioisotopes)

SUBMITTED: 0.

ENCL: 00

SUB CODE: NP

NR REF SOV: 000

OTHER: 000

NA

Card 2/2



HOSPODAR, A.

Hospodar, A. Work of a district instructor of parachutism. p. 174. Our representatives at the 2d National Gliding Competition. p. 175. KRIDLÁ VLASTI. Praha. no. 8, Apr. 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.



HOSPODAR, J.

Summer floods in 1958. p. 113.

VODNI HOSPODARSTVI. (Ustredni sprava vodniho hospodarstvi)  
Praha, Czechoslovakia  
No. 3, Mar. 1959.

Monthly list of East European Acessions (EEAI), LC, Vol. 8, no. 7  
July 1959  
Uncl.



CZECHOSLOVAKIA

HOSPODAR, Jan; POHL, Vladimir; [Czechoslovak Army].

"Low Pressure Chambers."

Prague, Radar, Vol 1, No 3, Nov 66, pp 28 - 31

Abstract: The importance of low pressure chambers in aeronautical and space medicine is discussed. Classification and applications of low pressure chambers are discussed. Construction principles of low pressure chambers are discussed. Equipment and instrumentation required for the operation of these chambers are described. Use of these chambers in medical treatment of certain diseases, and their use in training of personnel for flying duties is evaluated. Chambers designed for explosive decompression are described. Communication tunnels between the chambers and the outside are described. Principles of medical observation of personnel remaining in low pressure chambers are discussed. Details of the low pressure chambers produced by the Czech firm CKD are presented. 6 Figures, no references.

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CZECHOSLOVAKIA

UDC 612.273.1:612.273.1

SVACINKA, Jiri; HOSPODAR, Jan; Institute of Aeronautical Medicine (Ustav Leteckehe Zdravotnictvi), Prague.

"Dynamics of Some Physiological Parameters During Overpressure - Respiration in People with Good Tolerance of Intrapulmonary Oxygen Overpressure."

Prague, Pracovni Lekarstvi, Vol 18, No 2, March 66, pp 54 - 56

Abstract [Authors' English summary modified]: Some physiological functions were investigated at overpressures of 33 to 74 torr. The overpressure was compensated by a special suit. The pulse rate increases with increasing overpressure; with the wearing of the overpressure suit, the increase is limited. The ECG showed symptoms of vegetative irritability; no signs of overloading of the right heart or ischaemia of the myocardium were found. There was considerable temporary respirational arrhythmia; blood pressure increased. 4 Figures, 6 Western, 1 Russian reference. (Manuscript received 5 Nov 64).

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- 1 -

CZECHOSLOVAKIA

UDC 612.273.1:612.014.5

HOSPODAR, Jan; SVACINKA, Jiri; Institute of Aeronautical Medicine (Ustav Leteckehe Zdravotnictvi), Prague.

"Dynamics of Some Physiological Parameters During Overpressure. - Respiration in People with Poor Tolerance of Intrapulmonary Overpressure."

Prague, Pracovni Lekarstvi, Vol 18, No 2, March 66, pp 57 - 60

Abstract [Authors' English summary modified]: Criteria of insufficient adaptability of the organism to oxygen respiration with intrapulmonary overpressure were determined. These criteria may be applied also to people with low overpressure tolerance. In people with a lower overpressure tolerance the pulse rate increases, decreases or oscillates during respiration. In most cases the oscillation of the isoelectric plane of the standard ECG leads is enlarged, and the synchronization of the breath and respiration arrhythmia disappear. A progressive decrease of the blood pressure is an early symptom of the imminent collapse. 6 Figures, 8 Western, 2 Czech, 1 Russian reference. (Manuscript received 5 Nov 64).

1/1



HOSPODAR, Jan -

PHASE I BOOK EXPLOITATION

CZECH/4862

Dvorak, Josef, Chief Author, M. D., Petr Kuzmíč Isakov, M. D. and  
Jan Hospodář, M. D.

Člověk v meziplanetárním prostoru (Man in Interplanetary Space) Prague,  
Orbis, 1960. 217 p. 20,000 copies printed. (Series: Malá moderní  
encyklopedie, sv. 19)

Resp. Ed.: Vladimír Špinka, Engineer

PURPOSE: This popular-style book is intended for the general reader.

COVERAGE: The book is based mainly on Soviet data and presents the physical  
aspects of outer space from the biological point of view. Attention is  
given to the effect of space factors on the body and methods and equipment  
for human flight in outer space are described. Details of the first experi-  
ment with the dog Layka in space flight are given. Return to the Earth, the  
selection and training of astronauts, scientific results of space flights,

Card 1/4



Man in Interplanetary Space

CZECH/4862

and space medicine are treated. No personalities are mentioned. There are 7 references, all Czech.

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L 41519-65 ARG/EEG-2/ENG(j)/EET(d)/FBO/FSS-2/ENG(r)/EET(l)/FBO/EMP(c)/EET(e)/  
EET(m)/FSS(v)-3/APP(c)/EEG(k)-2/ENG(s)-2/EET(l)/EMP(f)/ENG(v)/EMP(c)/EMP(v)/EET(l)/  
EPR/EMP(j)/T-2/ENG(a)-2/EMP(h)/EPA(bb)-2/EEG(c)-2/EEG-2/ENG(c)/FCS(k)/EMP(b)/  
AMLO5110 PI-4/PW-4/PK-4/PN-4/ BOCK EXPLOITATION PI-4/PK-4/PAC-2/PE-4/PR-4/163  
Po-4/Pe-5/Pq-4/Pac-4/Pr-4 IJP(c) AST/TT/EM/DD/EM/GH/BC/MH  
Barvir, Miroslav, (Engineer); Benes, Konrad, (Professor, Doctor); Bouska, Jiri, (Candidate of  
(Doctor); Hudil, Ivo, (Graduate in Philosophy); Cepelach, Zdenek, (Candidate of  
Physical and Mathematical Sciences); Codr, Milan, (Doctor); Dolezal, Vladimir, (Doctor);  
(Doctor); Dvorak, Antonin, (Candidate of Medical Sciences); Dvorak, Josef, (Doctor);  
Guth, Vladimir, (Candidate of Medical Sciences, Docent, Doctor); Horak, Zdenek,  
(Doctor of Physical and Mathematical Sciences, Corresponding Member of the  
Czechoslovak Academy of Sciences, Professor, Doctor); Hrospodar, Jan, (Doctor of  
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PURPOSE AND COVERAGE: This publication is a popular scientific reference book for people working in cosmonautics. The book presents a survey of cosmonautics and space flight up to 1 June 1963.

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